

# Master in Artificial Intelligence



## Monitoring and Maintenance IV







# Purpose

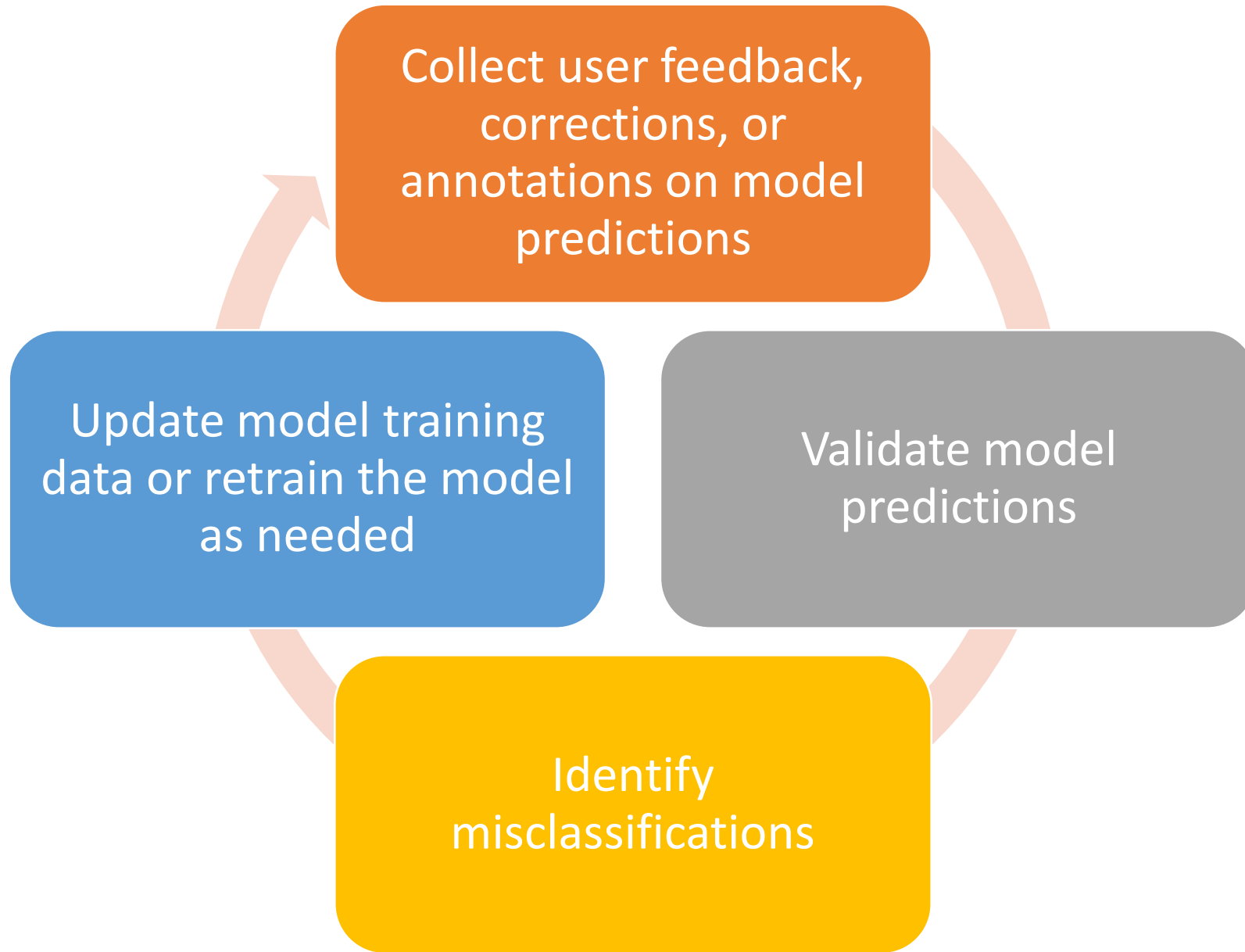
**The purpose of the section is to help you learn how to monitor and maintain the deployed models to become a Successful Artificial Intelligence (AI) Engineer**

**At the end of this lecture, you will learn the following**

- **How to monitor the deployed models to ensure they continue to perform well over time, and update or retrain them as needed to adapt to changing conditions or requirements**



# How to monitor and maintain the deployed models



# How to monitor and maintain the deployed models

## Implement

Continuous  
evaluation  
pipelines

Periodically assess  
model  
performance  
against

Predefined  
benchmarks or  
thresholds

## Automate model evaluation tasks

Cross-validation

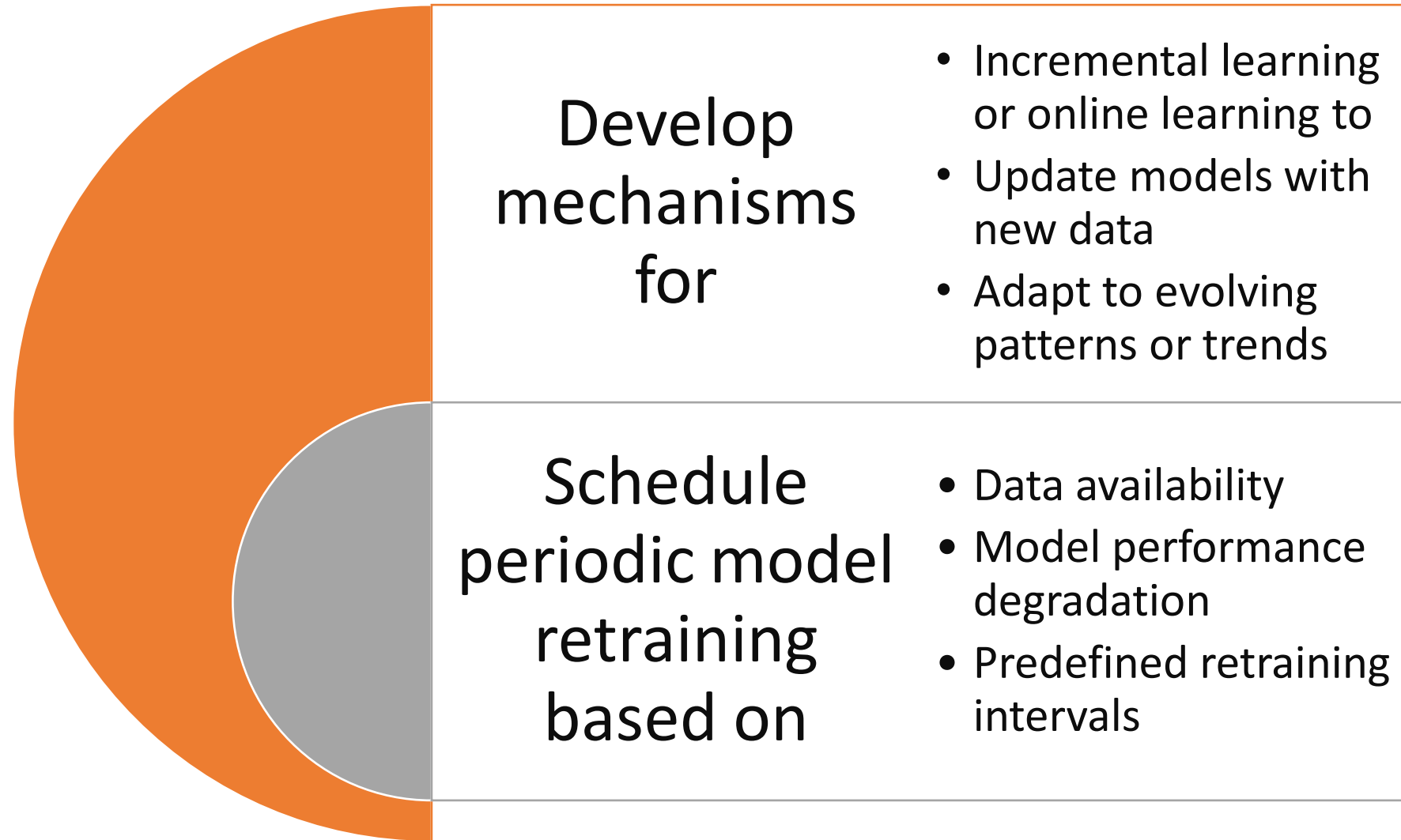
Holdout validation

A/B testing

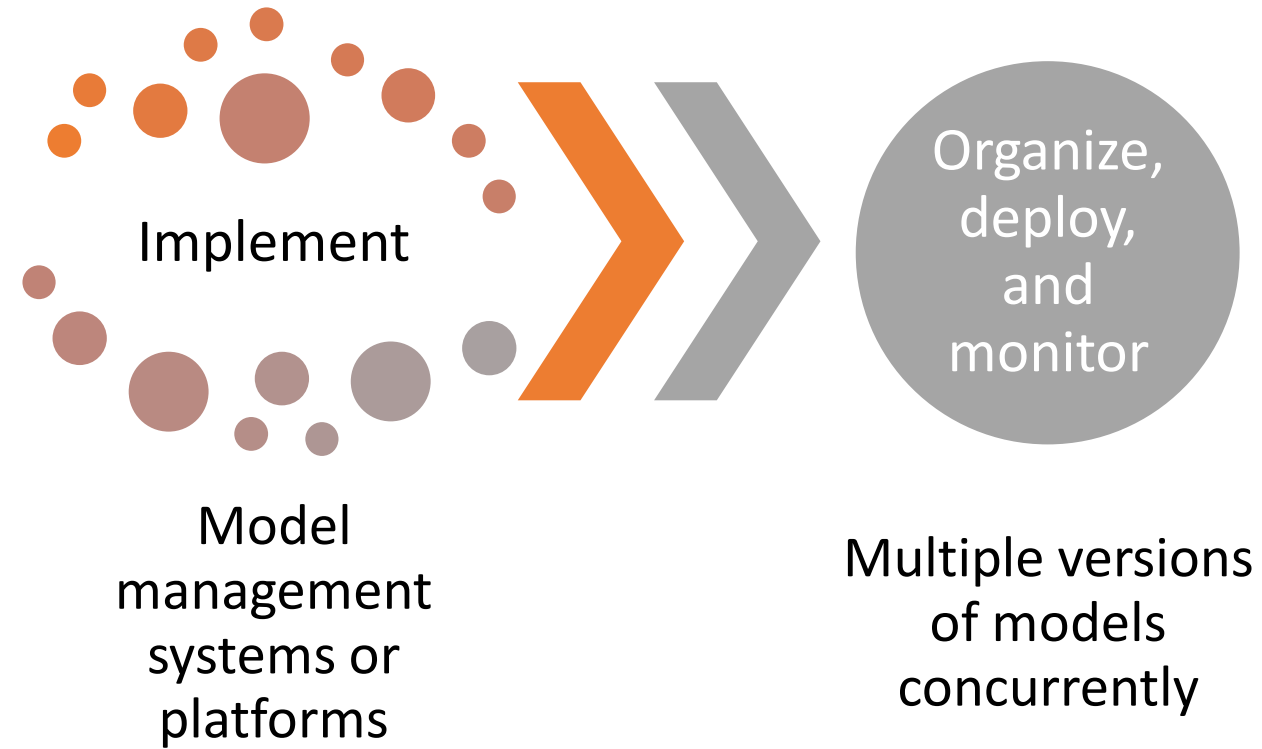
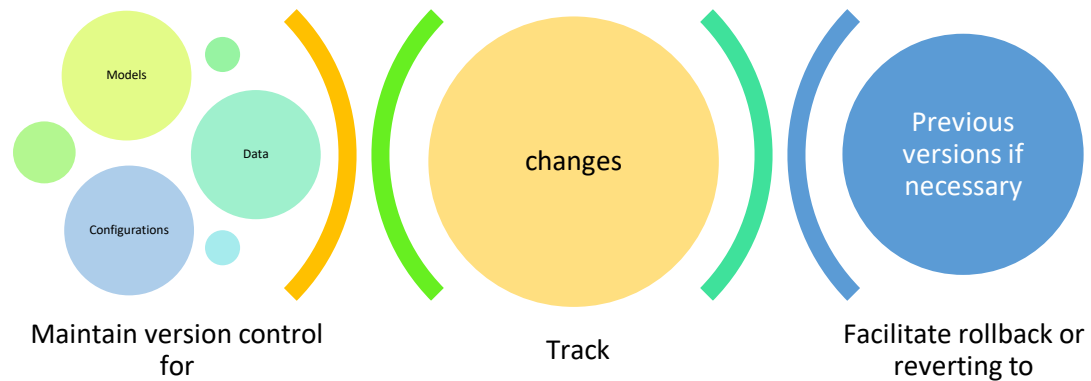
Ensure ongoing  
performance  
monitoring



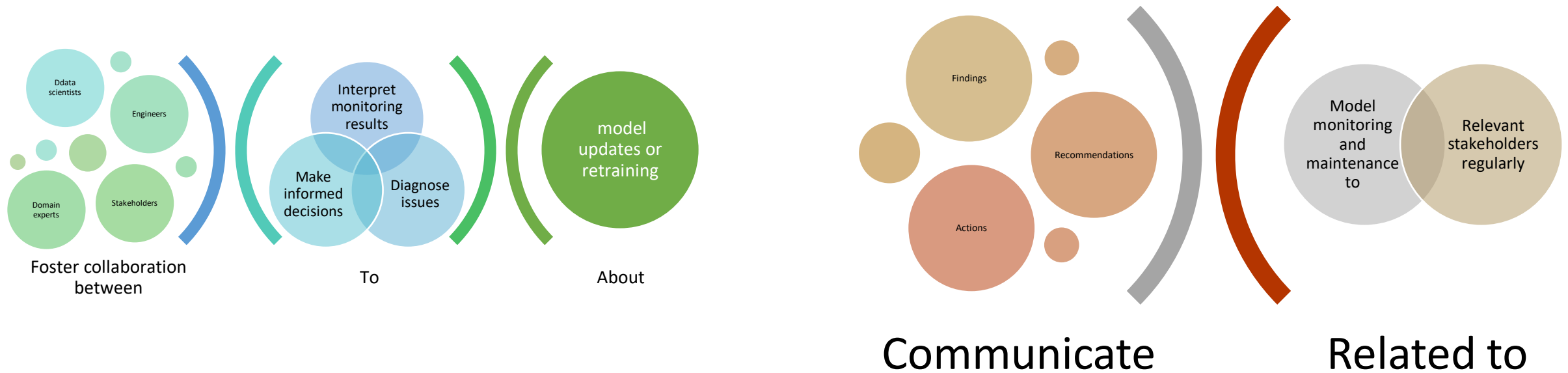
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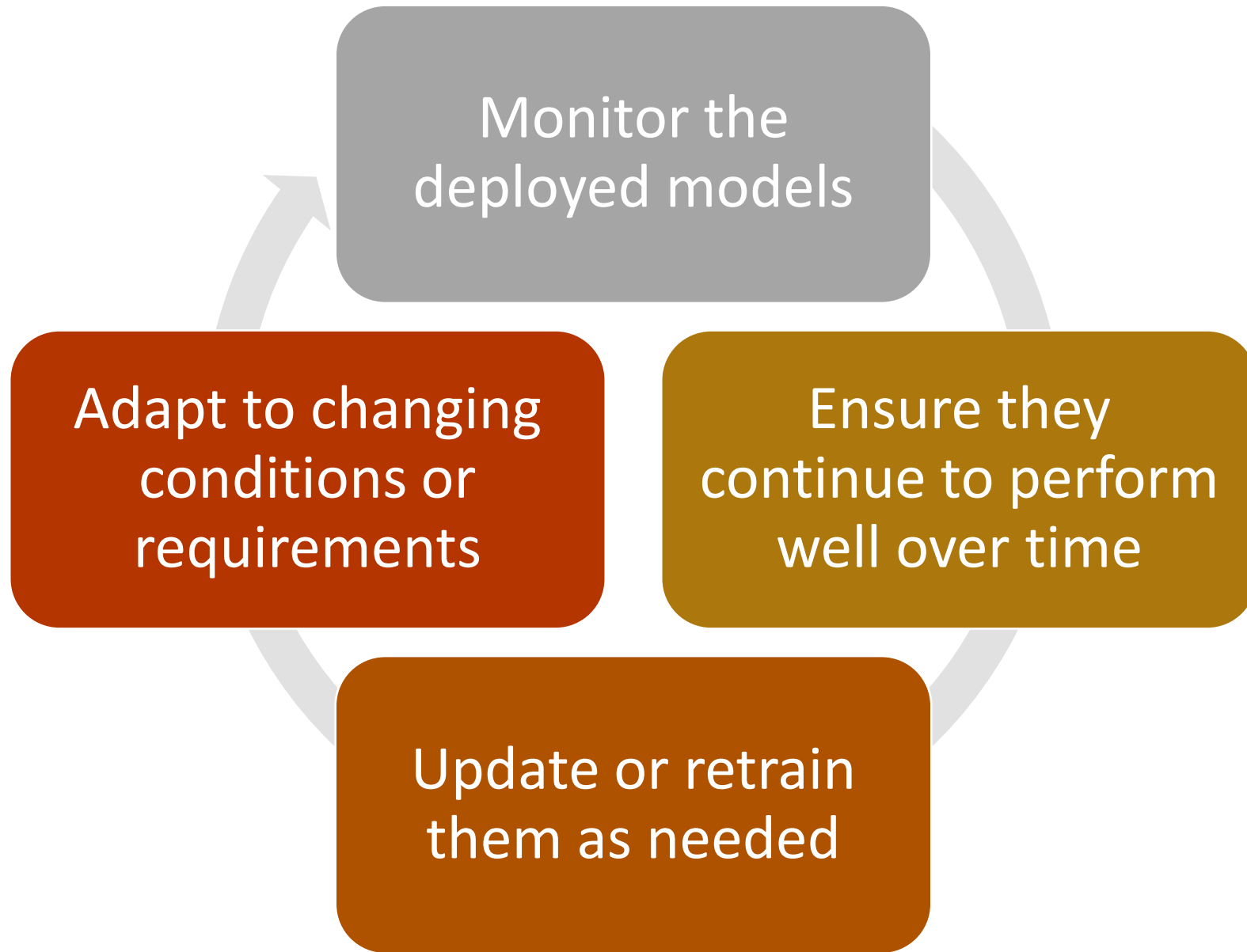


# How to monitor and maintain the deployed models



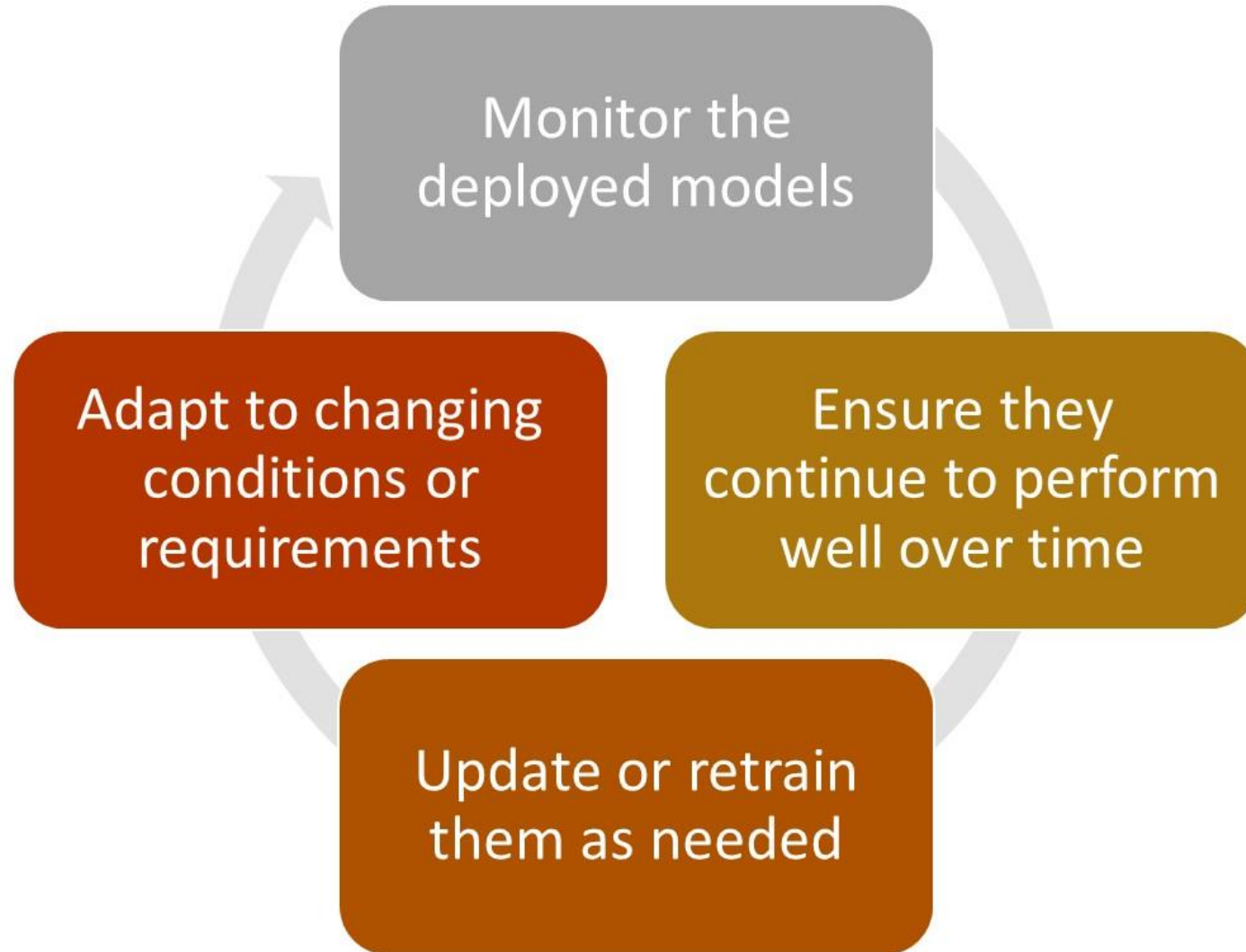


# How to monitor and maintain the deployed models



# What is next?

**An example of how to monitor and maintain the deployed models**





# Master in Artificial Intelligence

*Thank  
you*



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